

D1  
X  
a transfer unit configured to transfer the audio/visual data transferred through a communication path that is reserved for receiving the audio/visual data transmitted from the transmitting node, to the connection established by the establishing unit; and

a commanding unit configured to command the receiving node to receive the audio/visual data which is transferred through the connection by the transfer unit, by using a protocol depending on the local network.

D2  
24. (Amended) The device of claim 20, further comprising:  
a collecting unit configured to collect attribute information of the receiving node; and  
a notifying unit configured to notify the attribute information to another data transfer control device belonging to the global network and/or the transmitting node.

C2  
Sub E1  
25. (Amended) The device of claim 20, further comprising:  
a notice receiving unit configured to receive a notice regarding attribute information of the transmitting node; and

a memory unit configured to store the attribute information.

D3  
26. (Amended) The device of claim 20, further comprising:  
a message receiving unit configured to receive a control message containing an information capable of specifying the receiving node, from another data transfer control device belonging to the global network and/or the transmitting node;  
wherein the commanding unit commands a receiving of the audio/visual data to the receiving node as specified by the control message.

Sub E1  
27. (Amended) The device of claim 20, further comprising:  
a transmission unit configured to transmit a control message containing an information capable of specifying the transmitting node, to another data transfer control device belonging to the global network.

D4 28. (Amended) A data transfer control device for controlling transfer of audio/visual data from a transmitting node connected with a global network to a receiving node connected with a local network, the data transfer control device being connected between the local network and the global network and comprising:

a first establishing unit configured to establish a connection in the local network;

C a second establishing unit configured to establish a communication path between the data transfer control device and the global network or a transmitting node belonging to an upper logical network of the global network;

a conversion unit configured to convert a data format of the audio/visual data received through the communication path established by the second establishing unit, from a first data format depending on the global network to a second data format depending on the local network;

a transfer unit configured to transfer the audio/visual data with the data format converted by the conversion unit, to the connection established by the first establishing unit; and

a commanding unit configured to command the receiving node to receive the audio/visual data transferred through the connection by the transfer unit, by using a protocol depending on the local network.

29. (Amended) A data transfer control device for controlling transfer of audio/visual data from a transmitting node connected with a global network to a receiving node connected with a local network, the data transfer control device being connected between the local network and the global network and comprising:

a first establishing unit configured to establish a connection in the local network;

C2  
a second establishing unit configured to establish a communication path between the data transfer control device and the global network or a transmitting node belonging to an upper logical network of the global network;

an encoding/decoding unit configured to encode/decode the audio/visual data received through the communication path established by the second establishing unit;

a transfer unit configured to transfer the audio/visual data encoded/decoded by the encoding/decoding unit, to the connection established by the first establishing unit; and

a commanding unit configured to command the receiving node to receive the audio/visual data transferred through the connection by the transfer unit, by using a protocol depending on the local network.

D5  
37. (Amended) A relay device for transmitting a received data from a global network to a local network, comprising:

S3  
a receiving unit configured to receive a control message requesting an encoding/decoding of the received data in a data format depending on the local network; and

a transmission unit configured to encode/decode the received data from global network according to the control message received by the receiving unit, and to transmit encoded/decoded data to the local network.

38. (Amended) A control device connected between a local network and a global network, comprising:

a collecting unit configured to collect attribute information of transmitting and/or receiving nodes connected with the local network, according to a protocol depending on the local network; and

D5  
C3  
a notifying unit configured to notify the attribute information to a device connected with the global network, according to a network layer protocol not depending on the local network.

Please add new Claims 93-95 as follows:

D6  
C4  
93. (New) A data transfer control device for controlling transfer of audio/visual data to a receiving node connected with a local network from a transmitting node connected with a global network, the data transfer control device being connected between the local network and the global network and comprising:

an establishing unit configured to establish a connection in the global network for transmitting the audio/visual data;

a reserving unit configured to reserve a communication path for transferring the audio/visual data transmitted through the connection to another data transfer control device belonging to the local network and/or the receiving node; and

a commanding unit configured to command the transmitting node to transmit the audio/visual data through the connection, by using a protocol depending on the global network.

94. (New) A data transfer control device for controlling transfer of audio/visual data to a receiving node connected with a local network from a transmitting node connected with a global network, the data transfer control device being connected between the local network and the global network and comprising:

an establishing unit configured to establish a communication path for the audio/visual data transmitted from the transmitting node by using a signaling protocol of a network layer, the communication path reaching the data transfer control device from the transmitting node or another data transfer control device connected with the global network;

a receiving unit configured to receive a control message containing an information regarding a connection through which the audio/visual data is to be transferred to the receiving node; and

Db. a commanding unit configured to command the receiving node to receive the audio/visual data transferred through the connection, by using a protocol depending on the local network.

95. (New) A data transfer control device for controlling transfer of audio/visual data from a transmitting node connected with a global network to a receiving node connected with a local network, the data transfer control device being connected between the local network and the global network and comprising:

an establishing unit configured to establish a communication path for the audio/visual data transmitted from the transmitting node by using a signaling protocol of a network layer, the communication path reaching the receiving node or another data transfer control device connected with the local network;

a transmission unit configured to transmit a control message containing an information regarding a connection through which the audio/visual data is to be transferred from the transmitting node; and

a commanding unit configured to command the transmitting node to transmit the audio/visual data to the connection by using a protocol depending on the global network.